

Notice of Allowability

Application No.

09/849,457

Examiner

Khanh B. Duong

Applicant(s)

CHENG ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 18 May 2005.
2. ☒ The allowed claim(s) is/are 14-16, 23-25 and 27-35.
3. ☒ The drawings filed on 04 November 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 6/1/05
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Mary Wilczewski
Primary Examiner

DETAILED ACTION

Response to Amendment

This office action is in response to the amendment filed May 18, 2005.

Accordingly, claims 21 and 26 were cancelled, claims 14, 27 and 30 were amended, and new claims 31-35 were added.

Currently, claims 14-16, 23-25 and 27-35 remain pending.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jiawei Huang on June 1, 2005.

The application has been amended as follows:

In the Claims:

Claim 14: line 7, before "metal cathode", delete "the" and insert --and a-- therein; lines 7 and 8, delete "and an active gas-moisture absorption layer at least covering the metal cathode layer"; and line 12, before "active", delete "another" and insert --an-- therein.

Claim 27: line 10, before "recess", delete "the" and insert --a-- therein.

Claim 30: line 8, before "metal cathode", delete --the-- and insert --a-- therein; and lines 9 and 10, delete "forming a sealant layer, at least covering the light emitting layer and the metal cathode layer".

Allowable Subject Matter

Claims 14-16, 23-25 and 27-35 are allowed.

The following is an examiner's statement of reasons for allowance: none of the prior art of record, taken alone or in combination, fairly shows or suggests all the limitations as claimed.

Re claim 14, none of the prior art of record discloses the following steps: providing a transparent substrate, wherein a transparent anode layer, a light emitting layer and a metal cathode layer are sequentially formed on the substrate; and forming a sealant layer, at least covering the light emitting layer and the metal cathode layer; forming a recess region on a covering surface of the covering layer; performing an evaporation depositing process, to form an active gas-moisture absorption layer on the recess region of the covering surface of the covering layer; and putting the covering layer with the covering surface having the active gas-moisture absorption layer over at least a portion of the sealant layer above the metal cathode layer.

Re claim 27, none of the prior art of record discloses the following steps: providing a transparent substrate, wherein a transparent anode layer, a light emitting layer and the metal cathode layer are sequentially formed on the substrate; forming a sealant layer, at least covering the metal cathode layer; etching the covering layer to form a recess region on the covering layer at a covering surface with respect to the metal cathode layer, and forming a trench enclosing the recess region; performing an evaporation-deposition process, to form an active gas-moisture absorption layer on the covering layer within the recess region; coating a gluing layer on a portion of the covering layer between the trench and the recess region; and putting the covering layer with the covering surface having the active gas-moisture absorption layer over at least a

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portion of the light emitting unit above the metal cathode layer through adhering the covering layer onto the transparent substrate.

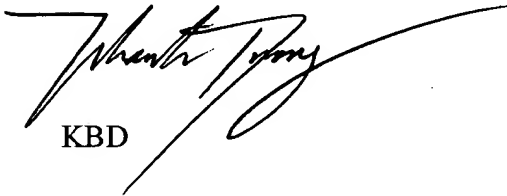
Re claim 30, none of the prior art of record discloses the following steps: providing a transparent substrate, wherein a transparent anode layer, a light emitting layer and a metal cathode layer are sequentially formed on the substrate; forming a sealant layer, at least covering the light emitting layer and the metal cathode layer; forming two frit lines on the covering layer, enclosing the active gas-moisture absorption layer, wherein a clearance between the two frit lines is reserved; performing an evaporation depositing process, to form an active gas-moisture absorption layer on the covering surface of the covering layer; properly dripping a sealant material on the clearance; and adhering the covering layer on the transparent substrate layer through the sealant material, wherein the active gas-moisture absorption layer is above the metal cathode layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

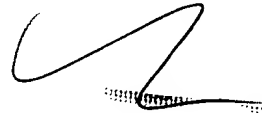
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh B. Duong whose telephone number is (571) 272-1836. The examiner can normally be reached on 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on (571) 272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



KBD



Mary Wilczewski
Primary Examiner